

Title (en)  
POLYMERIZATION CATALYST AND PROCESS

Title (de)  
POLYMERISATIONSKATALYSATOR UND VERFAHREN

Title (fr)  
CATALYSEUR DE POLYMERISATION ET PROCEDE CORRESPONDANT

Publication  
**EP 1240208 A4 20050202 (EN)**

Application  
**EP 00993040 A 20001109**

Priority  
• US 0042023 W 20001109  
• US 44036699 A 19991112

Abstract (en)  
[origin: WO0134661A1] An olefin polymerization process is provided comprising contacting an olefin monomer with chromium oxide on a titanium containing silica support having less than about 3 weight percent titanium in combination with an organoboron promoter. Polymers thus produced are useful for blow molding applications.

IPC 1-7  
**C08F 4/62**; **C08F 4/24**; **C08F 210/00**; **C08F 10/14**; **C08F 210/16**

IPC 8 full level  
**C08F 4/02** (2006.01); **C08F 4/06** (2006.01); **C08F 4/24** (2006.01); **C08F 4/622** (2006.01); **C08F 4/623** (2006.01); **C08F 10/00** (2006.01); **C08F 210/16** (2006.01); **B01J 37/08** (2006.01)

CPC (source: EP KR US)  
**C08F 4/22** (2013.01 - KR); **C08F 10/00** (2013.01 - EP US); **C08F 210/16** (2013.01 - EP US)

C-Set (source: EP US)  
1. **C08F 10/00** + **C08F 4/69**  
2. **C08F 210/16** + **C08F 2/14**  
3. **C08F 210/16** + **C08F 210/14** + **C08F 2500/12** + **C08F 2500/04** + **C08F 2500/07** + **C08F 2500/13** + **C08F 2500/14**  
4. **C08F 10/00** + **C08F 4/025**

Citation (search report)  
• [PX] WO 0035964 A1 20000622 - PHILLIPS PETROLEUM CO [US], et al  
• [Y] US 5599887 A 19970204 - BADLEY RICKEY D [US], et al  
• [Y] EP 0863166 A2 19980909 - PHILLIPS PETROLEUM CO [US]  
• [Y] EP 0553875 A1 19930804 - PHILLIPS PETROLEUM CO [US]  
• [Y] EP 0352715 A1 19900131 - PHILLIPS PETROLEUM CO [US]  
• [Y] EP 0882743 A1 19981209 - FINA RESEARCH [BE]  
• [Y] US 3887494 A 19750603 - DIETZ RICHARD E  
• See also references of WO 0134661A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**WO 0134661 A1 20010517**; AU 2923301 A 20010606; CA 2390617 A1 20010517; CA 2390617 C 20100105; CN 1142945 C 20040324; CN 1402738 A 20030312; EP 1240208 A1 20020918; EP 1240208 A4 20050202; HK 1050373 A1 20030620; HU P0203866 A2 20030428; HU P0203866 A3 20110428; KR 20020053849 A 20020705; NO 20022250 D0 20020510; NO 20022250 L 20020709; RU 2255094 C2 20050627; US 2002013432 A1 20020131; US 6465586 B2 20021015

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**US 0042023 W 20001109**; AU 2923301 A 20001109; CA 2390617 A 20001109; CN 00816398 A 20001109; EP 00993040 A 20001109; HK 03102015 A 20030318; HU P0203866 A 20001109; KR 20027006039 A 20020510; NO 20022250 A 20020510; RU 2002115632 A 20001109; US 44036699 A 19991112